

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF050223\  
 Data File : BF133192.D  
 Acq On : 02 May 2023 16:50  
 Operator : CG\JU  
 Sample : 02568-01MSD  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: May 02 17:17:18 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF042123.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue May 02 10:52:52 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.728  | 152  | 204225   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.016  | 136  | 829590   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.769  | 164  | 438769   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.251 | 188  | 763864   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 13.886 | 240  | 383390   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.304 | 264  | 395762   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.351  | 112  | 1405515  | 103.963 | ng    | 0.01     |
| 7) Phenol-d6                  | 6.381  | 99   | 1706390  | 101.690 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.298  | 82   | 1052420  | 68.475  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.563 | 330  | 436316   | 98.878  | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.092  | 172  | 1816192  | 69.250  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.839 | 244  | 1841110  | 82.822  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.481  | 88   | 278056   | 44.342  | ng    | 97       |
| 3) Pyridine                   | 3.169  | 79   | 695776   | 41.775  | ng    | 97       |
| 4) n-Nitrosodimethylamine     | 3.134  | 42   | 383974   | 44.509  | ng    | 95       |
| 6) Aniline                    | 6.392  | 93   | 760504   | 35.188  | ng    | # 23     |
| 8) 2-Chlorophenol             | 6.516  | 128  | 681151   | 49.623  | ng    | 98       |
| 9) Benzaldehyde               | 6.275  | 77   | 379572   | 56.146  | ng    | 97       |
| 10) Phenol                    | 6.392  | 94   | 815486   | 44.052  | ng    | 76       |
| 11) bis(2-Chloroethyl)ether   | 6.469  | 93   | 645583   | 46.473  | ng    | 99       |
| 12) 1,3-Dichlorobenzene       | 6.675  | 146  | 717685   | 49.177  | ng    | 97       |
| 13) 1,4-Dichlorobenzene       | 6.751  | 146  | 716608   | 48.995  | ng    | 97       |
| 14) 1,2-Dichlorobenzene       | 6.904  | 146  | 690582   | 51.213  | ng    | 99       |
| 15) Benzyl Alcohol            | 6.881  | 79   | 579138   | 49.963  | ng    | 99       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.016  | 45   | 1061418  | 43.992  | ng    | 96       |
| 17) 2-Methylphenol            | 6.998  | 107  | 557469   | 44.352  | ng    | 98       |
| 18) Hexachloroethane          | 7.245  | 117  | 252394   | 49.634  | ng    | 99       |
| 19) n-Nitroso-di-n-propyla... | 7.157  | 70   | 442567   | 42.364  | ng    | 94       |
| 20) 3+4-Methylphenols         | 7.151  | 107  | 668544   | 45.165  | ng    | # 85     |
| 22) Acetophenone              | 7.145  | 105  | 906623   | 47.178  | ng    | 97       |
| 24) Nitrobenzene              | 7.316  | 77   | 696428   | 44.717  | ng    | 98       |
| 25) Isophorone                | 7.557  | 82   | 1324660  | 45.394  | ng    | 98       |
| 26) 2-Nitrophenol             | 7.633  | 139  | 383599   | 51.066  | ng    | 97       |
| 27) 2,4-Dimethylphenol        | 7.681  | 122  | 611898   | 47.505  | ng    | 99       |
| 28) bis(2-Chloroethoxy)met... | 7.769  | 93   | 797347   | 46.188  | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 7.880  | 162  | 568224   | 48.458  | ng    | 99       |
| 30) 1,2,4-Trichlorobenzene    | 7.957  | 180  | 580585   | 47.793  | ng    | 100      |
| 31) Naphthalene               | 8.039  | 128  | 1905606  | 45.944  | ng    | 98       |
| 32) Benzoic acid              | 7.816  | 122  | 391575   | 49.215  | ng    | 99       |
| 33) 4-Chloroaniline           | 8.086  | 127  | 305287   | 18.217  | ng    | 99       |
| 34) Hexachlorobutadiene       | 8.157  | 225  | 317118   | 47.099  | ng    | 98       |
| 35) Caprolactam               | 8.469  | 113  | 152214   | 38.641  | ng    | 95       |
| 36) 4-Chloro-3-methylphenol   | 8.580  | 107  | 621806   | 49.174  | ng    | 96       |
| 37) 2-Methylnaphthalene       | 8.728  | 142  | 1268119  | 44.720  | ng    | 99       |
| 38) 1-Methylnaphthalene       | 8.828  | 142  | 1203718  | 45.377  | ng    | 100      |
| 40) 1,2,4,5-Tetrachloroben... | 8.898  | 216  | 524153   | 44.430  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 8.886  | 237  | 620522   | 90.189  | ng    | 98       |
| 43) 2,4,6-Trichlorophenol     | 9.010  | 196  | 388722   | 47.646  | ng    | 98       |

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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue May 02 10:52:52 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.051  | 196  | 420249   | 44.538  | ng    | 99       |
| 46) 1,1'-Biphenyl             | 9.192  | 154  | 1575424  | 45.281  | ng    | 99       |
| 47) 2-Chloronaphthalene       | 9.216  | 162  | 1180787  | 46.368  | ng    | 98       |
| 48) 2-Nitroaniline            | 9.316  | 65   | 383976   | 45.623  | ng    | 96       |
| 49) Acenaphthylene            | 9.633  | 152  | 1815924  | 44.628  | ng    | 99       |
| 50) Dimethylphthalate         | 9.498  | 163  | 1420798  | 46.440  | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 9.557  | 165  | 339679   | 49.329  | ng    | 95       |
| 52) Acenaphthene              | 9.804  | 154  | 1160412  | 42.580  | ng    | 99       |
| 53) 3-Nitroaniline            | 9.727  | 138  | 275266   | 33.620  | ng    | 97       |
| 54) 2,4-Dinitrophenol         | 9.833  | 184  | 383928   | 110.922 | ng    | 96       |
| 55) Dibenzofuran              | 9.980  | 168  | 1650782  | 44.406  | ng    | 100      |
| 56) 4-Nitrophenol             | 9.898  | 139  | 597910   | 94.286  | ng    | 92       |
| 57) 2,4-Dinitrotoluene        | 9.963  | 165  | 433572   | 49.373  | ng    | 94       |
| 58) Fluorene                  | 10.322 | 166  | 1216872  | 44.679  | ng    | 98       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.098 | 232  | 344571   | 47.104  | ng    | 98       |
| 60) Diethylphthalate          | 10.198 | 149  | 1319993  | 45.677  | ng    | 100      |
| 61) 4-Chlorophenyl-phenyle... | 10.310 | 204  | 586057   | 44.155  | ng    | 96       |
| 62) 4-Nitroaniline            | 10.345 | 138  | 369135   | 49.053  | ng    | 98       |
| 63) Azobenzene                | 10.474 | 77   | 1536757  | 50.199  | ng    | 96       |
| 65) 4,6-Dinitro-2-methylph... | 10.374 | 198  | 255655   | 55.218  | ng    | 99       |
| 66) n-Nitrosodiphenylamine    | 10.433 | 169  | 1117089  | 45.084  | ng    | 100      |
| 67) 4-Bromophenyl-phenylether | 10.798 | 248  | 380000   | 45.869  | ng    | 94       |
| 68) Hexachlorobenzene         | 10.869 | 284  | 409655   | 48.257  | ng    | 98       |
| 69) Atrazine                  | 10.963 | 200  | 387586   | 54.287  | ng    | 98       |
| 70) Pentachlorophenol         | 11.063 | 266  | 473187   | 78.266  | ng    | 97       |
| 71) Phenanthrene              | 11.280 | 178  | 1994230  | 48.574  | ng    | 99       |
| 72) Anthracene                | 11.333 | 178  | 1921159  | 45.725  | ng    | 100      |
| 73) Carbazole                 | 11.486 | 167  | 1715838  | 45.863  | ng    | 99       |
| 74) Di-n-butylphthalate       | 11.821 | 149  | 2078180  | 49.086  | ng    | 99       |
| 75) Fluoranthene              | 12.463 | 202  | 2071940  | 50.285  | ng    | 100      |
| 77) Benzidine                 | 12.586 | 184  | 795618   | 122.718 | ng    | # 93     |
| 78) Pyrene                    | 12.692 | 202  | 2032002  | 61.828  | ng    | 99       |
| 80) Butylbenzylphthalate      | 13.315 | 149  | 769131   | 66.095  | ng    | 98       |
| 81) Benzo(a)anthracene        | 13.874 | 228  | 1295974  | 49.156  | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 13.839 | 252  | 339090   | 46.558  | ng    | # 99     |
| 83) Chrysene                  | 13.915 | 228  | 1305991  | 49.548  | ng    | 100      |
| 84) Bis(2-ethylhexyl)phtha... | 13.874 | 149  | 860521   | 58.914  | ng    | # 99     |
| 85) Di-n-octyl phthalate      | 14.486 | 149  | 1409019  | 59.162  | ng    | 97       |
| 87) Indeno(1,2,3-cd)pyrene    | 16.692 | 276  | 1454566  | 64.614  | ng    | 99       |
| 88) Benzo(b)fluoranthene      | 14.904 | 252  | 1257099  | 49.929  | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 14.933 | 252  | 1142545  | 45.778  | ng    | 99       |
| 90) Benzo(a)pyrene            | 15.251 | 252  | 1100498  | 48.021  | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 16.709 | 278  | 1175453  | 62.604  | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 17.115 | 276  | 1196324  | 64.538  | ng    | 98       |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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